Modular Electronics - NIM

In order to help navigate the broad range of ORTEC NIM instrumentation, it is broken out into categories below. Most of these categories have selection guides that can assist in your choice of instrument. Introductions provide a short application overview.

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Amplifiers for Energy Spectroscopy, and Timing: Single and Multiple Input

Product Models

- FTA820A Octal Fast Timing Amplifier
- 427A Delay Amplifier
- 460 Delay Line Amplifier
- 474 Timing Filter Amplifier
- 533 Dual Sum and Invert Amplifier
- 570 Amplifier
- 572A Amplifier
- 575A Amplifier
- 579 Fast Filter Amplifier
- 590A Amplifier and Timing Single Channel Analyzer
- 671 Spectroscopy Amplifier
- 672 Spectroscopy Amplifier
- 673 Spectroscopy Amplifier and Gated Integrator
- 855 Dual Amplifier
- 863 Quad Timing Filter Amplifier
- 925-SCINT ACE-MATE Preamplifier, Amplifier, Bias Supply, and SCA
- 9302 Amplifier Discriminator Data Sheet
- 9309-4 Quad Fast Amplifier
- 9310-16 Sixteen Channel Fast Amplifier
- 9327 1-GHz Amplifier and Timing Discriminator

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Counters, Timers, Ratemeters, and MCS Cards: Single and Multiple Input, Fast and Slow Logic

Product Models

- 449/449-2 Log/Lin Ratemeter
- 661 Ratemeter
- 871 Timer and Counter
- 974A CCNIM Quad 100-MHz Counter Timer
- 976 Quad 250-MHz Counter Timer
- 978 Dual Timer
- 994 Dual Counter and Timer
- 995 Dual Counter Data Sheet
- 996 CCNIM Timer and Counter
- 9349 Log/Lin Ratemeter
- EASY-MCS Multichannel Scaler
• 9353 100-ps Time Digitizer / Multichannel Scaler MCS

Delays, Gates and Delay Generators, Logic Modules, Linear Gates, and Digital Current Integrator

Product Models

• CO4020 Quad 4 Input Logic Unit
• DB463 Delay Box
• GG8020 Octal Gate and Delay Generator
• 414A Fast Coincidence
• 416A Gate and Delay Generator
• 418A Universal Coincidence
• 425A Nanosecond Delay
• 426 Linear Gate
• 499 Fast Slow NIM Logic Converter
• 542 Linear Gate and Stretcher
• 439 Digital Current Integrator

Fast Timing Discriminators: Leading Edge, Constant Fraction, Single and Multiple Input

Product Models

• CF8000 Octal Constant Fraction Discriminator
• 583B Constant Fraction Differential Discriminator/SCA
• 584 Constant Fraction Discriminator
• 935 Quad 200-MHz Constant Fraction Discriminator
• 9302 Amplifier Discriminator
• 9307 pico Timing Discriminator
• 9327 1-GHz Amplifier and Timing Discriminator
High Voltage (HV) Bias and Nuclear Instrumentation Module (NIM) Power Supplies and Bins

Product Models

- 428 Detector Bias Supply
- 495 Power Supply
- 556 and 556H High Voltage Power Supply
- 659 5-kV Detector Bias Supply
- 660 Dual 5-kV Detector Bias Supply
- 710 Quad 1-kV Bias Supply
- 4001A/4001C NIM Bins
- 4002A 96-W Power Supply for NIM Bins
- 4002D 160-W Power Supply for NIM Bins
- 4002E BlackMax Power Supply for NIM Bins
- 4002P Portable Power Supply
- 4003 Preamplifier Power Output
- 4006 MiniBin and Power Supply

Multichannel Analyzers

The MCAs listed here are NIM devices - See the [Multichannel Analyzers] page for more MCAs

Selection Guide

- 920E 16 Input Multichannel Buffer
- 921E High Rate Multichannel Buffer
- 926-M32-USB Multichannel Analyzer
- ASPEC-927 Dual MCB

Pulse Generators

Provide pulses which mimic events from radiation detectors are useful in diagnostics as well as noise measurement in spectroscopy systems.

- 419 Precision Pulse Generator
- 480 Pulser
Single Channel Analyzers: Timing, Non-timing, Integral, and Differential

Product Models

- 550A Single Channel Analyzer
- 551 Timing Single Channel Analyzer
- 552 Pulse Shape Analyzer and Timing SCA
- 583B Constant Fraction Differential Discriminator/SCA
- 590A Amplifier and Timing Single Channel Analyzer
- 925-SCINT ACE-MATE Preamplifier, Amplifier, Bias Supply, and SCA

Time to Amplitude Converters and Calibrators

Product Models

- 462 Time Calibrator
- 566 Time to Amplitude Converter
- 567 Time to Amplitude Converter/SCA

For further information visit www.ortec-online.com